

Sci/Aero

C

Tests on Profile NACA 0012-63 in the DV L-High Speed Wind
Tunnel, by G. Richter. UNCLASSIFIED

GERMAN, GDC 10/4081 N/T.

NACA N-2234

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A 9358

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Drag of Aircraft Directive Aerials at High Speed, by G.
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GERMAN, GDC 2280 T, Jun 1944.

D 181-38

NACA 5321, 737

FLT: Aerodynamischer Widerstand Von Fortrichtantennen
Bei Hohen Geschwindigkeiten

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Richter. 3 pp.

Full translation.

GERMAN, Berichte des Deutschen Wetterdienstes in
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AIP 546046

Scientific - Geophysics

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CNA 1415274

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No 10, Oct 1964, pp 4-8.
NN 6425

G. Richter

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July 65

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GERMAN, FOR, ROSE MITTE, Vol 9,
Sep 1944, pp 570.
DIST 4560

G. Richter

sch/wh:
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A. Introduction; B. Geographic Situation and General Characteristics; C. Relief and Waters; D. Physico-Geographic Regions, by A. A. Grigoryev, G. D. Richter, 53 pp. UNCLASSIFIED

RUSSIAN, bk, Nizhneye Povolzh'ye, Fiziko-Geograficheskoye Opisanie, publ by Acad of Sci USSR, Moscow/Leningrad, 1948, pp 3-4, DEX 5-6, 17-44, 114-130.

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NRSS USSR
Geographic
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(S-1001)

Problems in the Classification of Russian Languages.
by G. I. RICHARD 10 22.

RUSSIAN, part. Nouch Pok Vysheuy Shchuy, No 1.
1961. pp 21-31

JPRS 8594

Sci - Misc

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Nov 61.

On the Magnetic Aftereffect in Carbonyl
Iron, by Gustav Richter, 39 pp.

GERMAN, per, Annalen der Physik, Vol XLIX.
No 5, 1957, pp 604-635. 906904b

REC SCL-T-436

Sci - Phys
Dec 62

217,466

- TT-65-13775

Field 1A

Richter, G.
COMPARISON OF APPROXIMATION METHODS FOR
CALCULATING THE PRESSURE DISTRIBUTION ON
PROFILES AT SUBCRITICAL MACH NUMBERS WITH
MEASUREMENTS (Vergleich von Naehungsverfahren zur
Berechnung der Druckverteilung an Profilen bei
Unterkritischem Machschen Zahler mit Messungen). 12p.
Order from SLA: \$1.60 as TT-65-13775

Trans. of Lillenthal-Gesellschaft fuer Luftfahrtforschung
(Germany) Rept n156 p188-93 1942.

MR 664

NCH-202 535

Field 7D

Richter, H.
STRUCTURE OF PRECIPITATED, AMORPHOUS
ARSENIC AT VARIOUS TEMPERATURES. 1965.
17p. TC-1289.
Order from TC: \$13.00 as TC-1289

Trans. of Zeitschrift fuer Naturforschung (West
Germany) v12a p996-1002 1957.

I. Trans-Chem.
Knoxville, Tenn.

Richter, H., Wincierz, P., and Zwicker, U.
[INVESTIGATION ON] ALLOYS OF ZIRCONIUM WITH
NIOBIUM AND/OR SILICON WITH A VIEW TO THEIR
USE AS CLADDING MATERIAL IN WATER-COOLED
NUCLEAR REACTORS. Quarterly rept. no. 6, 1 July-
30 Sep 61 and technical rept. to pt. 2 "Length Varia-
tions in Zirconium Alloys caused by Thermal Cycling"
on Contract ECH/C/262/2/60 d (009-60-4 RDA). [1962].
28p. 10 refs.

Order from OTS or SLA \$2.60

EURAEC-201

Trans. of a rept. from Metallgesellschaft A.G.,
Frankfurt a.M. (West Germany) 10 Oct 61.

DESCRIPTORS: *Light water reactors, *Fuel elements,
*Fuel cladding, Materials, *Zirconium alloys, Nio-
bium alloys, Silicon alloys, Alloys, Temperature
Thermal expansion, Tests, Nuclear reactors.

(Nuclear Physics--Nuclear Engineering, TT, v. 9,
no. 2)
(over)

62-33167

- I. Richter, H.
- II. Wincierz, P.
- III. Zwicker, U.
- IV. Title: Length ...
- V. EURAEC-201
- VI. EURATOM (Belgium)

Office of Technical Services

Richter, H., Kuleke, W., and Specht, H.
THE STRUCTURE OF AMORPHOUS SELENIUM.
[1963] 32p.
Order from ATS \$39.50 ATS-75Q67G

Trans. of Zeitschrift für Naturforsch[ung] (West
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DESCRIPTORS: *Selenium, Physical properties,
Crystal structure.

(Chemistry- Physical, TT, v. 10, no. 3)

63-17332

- I. Richter, H.
- II. Kuleke, W.
- III. Specht, H.
- IV. ATS-75Q67G
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Richter, H. and Herre, F.
THE STRUCTURE OF SOLID AMORPHOUS AND MOL-
TEN SELENIUM IN THE TEMPERATURE RANGE OF
-180 to 430° C. [1963] 16p.
Order from ATS \$13.50

ATS-76Q67G

Trans. of Zeitschrift für Naturforschung
(West Germany) 1958, v. 13a, p. 874-885.

DESCRIPTORS: Solids, Melting, *Selenium, Tempera-
ture, Crystal structure.

(Physics--Solid State, TT, v. 10, no. 1)

63-17112

- I. Richter, H.
- II. Herre, F.
- III. ATS-76Q67G
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Richter, H. and Tverberg, J. C.
INVESTIGATION OF ALLOYS OF ZIRCONIUM WITH
NIOBIUM AND TIN IN VIEW OF THEIR UTILI-
ZATION AS [SHEATHING] MATERIAL IN WATER-
COOLED NUCLEAR REACTORS: ON THE TECHNO-
LOGICAL PROPERTIES AND THE RESISTANCE TO
CORROSION OF THE ALLOY ZrNb3Sn1. Special
technical rept. 1 concerning proposal 139, on
Contract 047-61-4 RDA. [1963] 56p. 16 refs.
Order from OTS or SLA \$5.60 EURAEC-352

Trans. of a rept. from Metallgesellschaft A. G.,
Frankfurt a. M. (West Germany) 26 Apr 62.

DESCRIPTORS: *Light water reactors, *Zirconium
alloys, *Niobium alloys, *Tin alloys, *Corrosion
inhibition, *Reactor fuel cladding, Nuclear reactors,
Heat treatment, Mechanical properties, Welding, Heat
resistant metals and alloys, Water, Reactor coolants,
(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 7)
(over)

63-15737

- I. Title: Sheathing
- I. Richter, H.
- II. Tverberg, J. C.
- III. Title: On the . . .
- IV. EURAEC-352
- V. European Atomic Energy
Community, Brussels
(Belgium)

1247568

Office of Technical Services

Richter, H. and Winkler, P.
INVESTIGATION OF ALLOYS OF ZIRCONIUM WITH
NIOBIUM AND TIN IN VIEW OF THEIR UTILIZATION
AS SHEATHING MATERIAL IN WATER-COOLED
NUCLEAR REACTORS: EXAMINATION OF TUBES
MADE OF THE ALLOY ZrNb3Sn1. Special technical
rept. 3 concerning proposal 139, on Contract 047-61-4
RDA. [1963] 36p. 12 refs.
Order from OTS or SLA \$3.60 EURAEC-354

Trans. of rept. from Metallgesellschaft A. G.,
Frankfurt a. M. (West Germany) 18 May 62.

DESCRIPTORS: *Light water reactors, *Niobium
alloys, *Tin alloys, *Reactor fuel cladding, Nuclear
reactors, Zirconium alloys, Heat resistant metals and
alloys, Water, Reactor coolants.

The alloy ZrNb3Sn1 which, in corrosion tests and
mechanical tests, had proved to be a promising
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no.6)
(wer)

63-15736

- I. Richter, H.
- II. Winkler, P.
- III. Title: Examination...
- IV. EURAEC-354
- V. European Atomic Energy
Community, Brussels
(Belgium)

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Office of Technical Services

Modification of the Structure of Evaporated
Ge-Deposits in the Electron Microscope, by
E. W. Fisher and H. Richter.

GIENMAN, per, Ann Phys, Vol XVI, No 5-8, 1955,
pp 193-209.

ASIJTB-GB4

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Richter, H., Tverberg, J. C. and others.
INVESTIGATION [ON ALLOYS OF ZIRCONIUM] WITH
NIOBIUM AND TIN WITH RESPECT TO THEIR USE
AS CLADDING MATERIAL IN WATERCOOLED NU-
CLEAR REACTORS. Quarterly rept. [7] 3 (2d year),
1 Oct-31 Dec 61, on Contract 047-61-4 RDA. [1962]
6Sp. 14 refs.

Order from OTS or SLA \$6.60

EURAFEC-243

Trans. of a rept. (E-2348) from Metallgesellschaft
A.G., Frankfurt am Main (West Germany) 22 Jan 62.

DESCRIPTOR: *Zirconium alloys, *Niobium alloys, *Tin
alloys, Fuel cladding, *Nuclear reactors, Corrosion,
Tests, Hydrogen, Cold-working, Creep, Welding,
Solubility, Light water reactors, *Reactor fuel cladding,
*Reactor materials.

(Nuclear Physics--Nuclear Engineering, TT, v. 9,
no. 12)
(over)

63-15073

- I. Richter, H.
- II. Tverberg, J. C.
- III. EURAFEC-243
- IV. EURATOM (Belgium)

040240

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Richter, H.
CHEMICAL BRIGHTENING OF ALUMINIUM. 1961,
2000 words.
Order from TTIS \$18.00

TTIS FA 79

Trans. of Galvano (France) 1961, v. 30, July,
p. 481-484.

DESCRIPTORS: *Aluminum, Electrolytic polishing.

(Metallurgy--Light Metals, TT, v. 7, no. 5)

62-12333

- I. Richter, H.
- II. TTIS-FA-79
- III. Translation and Technical
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Office of Technical Services

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THE CONSTITUTION OF ZIRCONIUM-NIOBIUM AL-
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Order from FRI

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lands) 1962, v. 4, no. 3, p. 252-265.

DESCRIPTORS: *Zirconium alloys, *Niobium alloys,
Chemical analysis.

(Chemistry, TT, v. 9, no. 4)

63-12180

- I. Richter, H.
- II. Wincierz, P.
- III. FRI Trans-177
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9 (SP-1855)

Tendencies in Telegraphic Equipment
Development, by H. Richter, J. Schoenhof,
6 pp.

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No. 12, 1961, pp 542-4 546.

JPRS 13432

Mitar - Germany
Buch
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1963, pp 183-192.
ACSI J-6518
FSTC-HT-23-214-69

Hans Richter

Sci-Ear Sci
May 69

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Methods of Evaluating Coals; Their Critical
Examination and Contributions to Further Develop-
ment, by L. Kosta, H. E. Richter.

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1935, pp 221-229.

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Central Experiment Station
Pittsburgh, Pa. Tr 103

Sci - Fuels; Engr

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May 59

R-72/684

Problems of the Pleistocene Glaciation of the Khangai Mountains, by Hans Richter. *For official use only*

GERMAN, bk, Deutscher Geographentag Koeln 22-26 Mai 1961
-- Tagungsbericht und Wissenschaftliche Abhandlungen
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Feb 64

Preliminary Report Concerning the Progress and
Results of the 1958 German Expedition to the Sahara,
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Vol CIII, No 2, 1959, pp 100-106. (Call No G1,
P47, Eng Tr)

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NE/A - Sahara
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The Influence of the State and Foreign
 Contributions of the Working Man's Behavior
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 China Policy, by Joseph H. Schuchman and
 Arthur Schuchman, 13 pp.
 1944, 1945, 1946, 1947, 1948, Vol 4, No 2,
 1949, 1950, 1951, 1952, 1953
 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

^H
 Heinz Richter

1944-1945
 1946-1947

1948, 1949

(NY-10)

The Biological Wastewater Purification
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No 4, 1961, pp 152-159.

JPRS 11641

Sci - Engr

Jan 62

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CHEMICAL BRIGHTENING OF ALUMINIUM. 1961,
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Trans. of Galvano (France) 1961, v. 30, July,
p. 481-484.

DESCRIPTORS: *Aluminum, Electrolytic polishing.

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- I. Richter, H.
- II. TTIS-FA-79
- III. Translation and Technical
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On the Effect of Deformations on the Mechanical
Properties of a Precipitation Hardening
Aluminium Alloy, by H. Richter, G. Wassermann.

GERMAN, per, Z. Metallk, Vol. II, No 11,
1958, pp 549-556.

OT/4203
Fulmer Res Inst

Sci - Min/Met

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Sep 61

Richter, H. and Schneider, R.
TEMPERATURE DEPENDENCE OF THE CONDUCTIVITY OF AMORPHOUS GERMANIUM FILMS DEPOSITED BY VAPORIZATION. [1960] 24p. 15 refs.
Order from SLA ml\$2.70, pl\$4.80 61-10319

Trans. of Zeitschr[ift für] Angew[andte] Physik (West Germany) 1959, v. 11, no. 7, p. 277-283.

Resistance measurements were made for Ge films deposited by vaporization in a high vacuum at 20° to 600°C. The shape of the resistance curves was strongly dependent on the mode of preparation of the films. In general, the resistance curves of amorphous Ge show impurity conductivity (activation energy: 0.25 to 0.65ev) and characteristic conductivity (activation energy: 0.90ev). The branches of impurity and characteristic conductivity are straight lines. In the case of impurity conductivity the dependence of the resistance and the activation energy on the impurity concentration

61-10319

1. Germanium--Conductivity
2. Metal films--Conductivity
- I. Richter, H.
- II. Schneider, R.

crystalline is distinguished by a clearly expressed resistance discontinuity for special amorphous Ge films deposited by vaporization. In such cases the conversion is sudden and occurs at about 300°C. The activation energy of converted (crystalline) Ge is 0.75ev and is in agreement with measurements on crystalline Ge.
(Author)

PB-

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(NY-5560)

Tasks of the Electric Instrument Industry, by H.
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JPRS 7753

EEur - Germany

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New Problems of Boiler Feed Water Treatment, by
H. Richter, 8 p.

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Vol XXXVII, No 15, pp 389-392.

SLA 60-10238

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Vol III, No 2

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A New Method for Large Scale Mapping of Relief,
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Mitteilungen, No 4, 1962. pp 309-312.

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EEUR - Germany
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Richter, H(erbert) and Wassermann, G(ünter).
ON THE EFFECT OF DEFORMATIONS ON THE
MECHANICAL PROPERTIES OF A PRECIPITATION
HARDENING ALUMINIUM ALLOY. [1961].
FRI Trans-137
Order from FRI

Trans. of Zeitschrift für Metallkunde (West
Germany) 1958, v. 49, no. 11, p. 549-556.
Another translation is available from SLA mi\$2.70,
pb\$4.80 as 60-18903 [1960] 26p.

DESCRIPTORS: *Aluminum alloys, *Mechanical prop-
erties, *Hardening.

For abstract see Technical Translations 4: 687, 1960.

(Metallurgy. TT, v. 6, no. 1)

61-22415

1. Title: Precipitation
hardening
- I. Richter, H.
- II. Wassermann, G.
- III. FRI Trans-137
- IV. Fulmer Research Inst.,
Ltd. (Gt. Brit.)

61-22415
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Office of Technical Services

Ultrasonic Testing of Austenitic Weldments-1,
by H. U. Richter,
GERMAN, per. Technik, Vol 23, Oct, 1958,
pp 610-619.
BISI 8479

H. U. Richter

Mar 71

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Economic Quality Control Through Nondestructive
Materials Testing, by H. U. Richter, 15pp.

GERMAN, per, Die Technik, Vol XVI, No 11,
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JPRS 12876

EEur-Germany
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Economic Quality Control Through Non-destructive Materials Testing, by
H. U. Richter, 15 pp.

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JPRS 12876

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Procedures Manual for Researcher's Manual, 1st Edition, 1950
93 pp

General, part, Forschungsarbeiten der AEC, 1950, 1-51, 1950
Vergleichsarbeit, No 339, 1950, 1-51, 1950

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Doc 61

Pressure Drop in Smooth Pipe: Bends, by Hugo Richter :
138 pp.

GERMAN, per, Forschungsarb (Gebiete Ingenieurw,
No 338, 1930, pp 1-31.

ABX: Tr-14469

Sci - Engr
Aug 61.

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Tentative Standards for Disintegrating Property
Solubility and External Nature of Moulded
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for the Manufacture of these Preparations, by
J. Richter, H. Klein,

GERMAN, ger, Pharmazie, Vol XII, No 4, pp 190-
194, 1957

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116,353

Sci - Med

May 60

Procedure for Hydrolysis of Cellulose-Containing
RNA Material, 9 pp, by J. Richter.

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THE PREPARATION OF DDT BY THE CONTINUOUS
PROCESS. [1969] 5p.
Order from SLA \$1.10

63-10986

Trans. of Industria y Quimica (Argentina) 1943,
v. 7, p. 132-135.

DESCRIPTORS: *DDT, *Insecticides, Pest control,
Chlorides, Benzenes, Ethanols, Production, Synthesis
(Chemistry), Towers (Chemistry).

(Engineering--Chemical), TT, v. 10, no. 5)

63-10986

I. Richter, J.

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Office of Technical Services

Richter, J.
PROCESS FOR THE PRODUCTION OF DYED FIBRES,
THREADS AND THE LIKE MADE FROM POLYESTERS
Jun 64.

Order from TTIS \$4.00

TTIS NS 218

Trans. of East German patent 26,640, appl. 28 Mar 62,
pub. 17 Dec 63.

(Materials--Textiles, TT, v. 12, pp. 1-3)

TT-64-22556

- I. Richter, J.
- II. Patent (East Germany)
26 640
- III. TTIS-NS-218
- IV. Translation and Technical
Information Services,
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Office of Technical Services

CYBONETIC ASPECTS OF STATISTICS, BY KLAS-JERGEN
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DESSON, PER, STATISTISCHE JAHRES, NO 1, 1963,
PP 15-19.

JFND 18379

SCI - DESC

APR 63

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Rapid Oral Examination of Gallbladder and Bile Ducts,
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SLA 60-16687

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Mar 62

Vol XV, No 6

Richter, K., Cranz, K. L., and Lezius, G.
THE ACTION OF APF-SUPPLEMENTS IN SWINE
FATTENING (Über die Wirkung von APF-Beigaben in
der Schweinemast). [1963] [26p] 1ref
Order from SLA \$2.60

TT-64-10040

Trans. of Züchtungskunde (West Germany) 1952,
v. 23, no. 6, p. 263-273.

DESCRIPTORS: *Swine, *Nutrition, Diet, Food,
*Proteins, Vitamin B complex,

(Agriculture--Animal Husbandry, TT, v. 11, no. 5)

TT-64-10040

- I. Title: APF supplement
I. Richter, K.
II. Cranz, K. L.
III. Lezius, G.

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1
Studies on the Usefulness of Ganglionic Blockers in
Obstetrics and Gynecology, by K. Richter, W. Albrich,
7 pp.

Full translation.

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pp 281-283.

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Scientific - Medicine

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Aug 55

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H. Richter.
GEMMEL, rpt. Paper presented at the International
Symposium on Pure Materials in Science and Tech-
nology held at Dresden, Nov 30-Dec 2, 1961,
pp 345-355.
NADA TT P-11,588

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Apr 68

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The suitability of the xenon lamp as a standard light source for measurements of radiation and colour, by H. G. Fruhling, W. Munch, M. Richter, 41 pp.

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SLA 58-564

Sci

Aug 59

94, 406

The Present Status of Color Theory, by Manfred
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GERMAN, per, Z Wiss Phot, Vol XLIII, 1948, pp
209-237.

SLA 59-10543

Sci - Chem
Sep 59
Vol 2, No 1

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(R0-235551)

Socialistic Work Methods Improve the Work of the
East German Railroads, by Manfred Richter, GDR
Westphal, 13 pp.

GESCHME, pub, DZ Operative Dienst, Vol III, No 10,
Berlin, 1959, pp 223-227.

JPRS 2338

EMur - Germany
Econ - Transportation
Mar 60

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About the Physiology of Wearing Apparel, by
K. H. Richter, 10 pp.

GERMAN, per, Deutsche Textiltechnik, No 1, 1963,
pp 40-45.

ACSI I-2352
ID 2229423

EEur - Germany
Econ
Jul 63

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ROLE OF SCIENCE AND TECHNOLOGY IN THE CZECH
NATIONAL ECONOMY, BY MIROSLAV RICHTER, 6 PP.
GOVERNMENT USE ONLY
CZECH, PER, TECHNICKA PRACA, NO 10,
1962, PP 778-782.

EMMR
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JPRS16396

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EEUR - CZECH
ECON.
JAN 63

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Neue Platte für Astral Photographie in the
Vord. Region of the Spectrum, by A. Richter.
Göttingen, 1907, Akademie der Wissenschaften
in Berlin Monatsberichte, Vol 6, No 11,
1907, pp 800-811.

REF ID: A6-850

P100223067

A. Richter

Oct-20/07
Sept 08

Experimental Investigations on the Illumination
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GERMAN, per, Monatsberichte der Deutschen
Akademie der Wissenschaften zu Berlin, Vol II,
No 12, 1959, pp 727-737.

IGC 113

Sch. - Gophys
May 60

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Reuter, E. B.
THE NATURE OF COMETS. REV. ED.
As published in 1961.
Order from Dover Publications, Inc., 180 Varick St.,
New York, 14, N. Y. \$10.00

Times and number of an unidentified comet.
(Abstract available)

DESCRIPTION: Comet, Statistical data, Tables,
Comets, Meteors, Orbital trajectories.

The text begins with a historical survey, presents con-
ceptions and theories of comets from 1700 to the pres-
ent. There follow chapters on statistical research
(total number of comets, orbital forms, the general
circumsolar cometary system, the central planetary
comet system, perturbations caused by Jupiter, comet
groups and families, etc.), the structure of a comet.
(Astronomy--astrophysics, TT, v. 11, no. 11) (over)

TT-64-12262

I. Reuter, E. B.
II. Dover Publications, Inc.,
New York

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The Testboard for Long Distance Cable Lines, by W.
Gebhardt, P. Richter, 76 pp.

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(ST-1056)

The Annual Export Contract -- Instrument For
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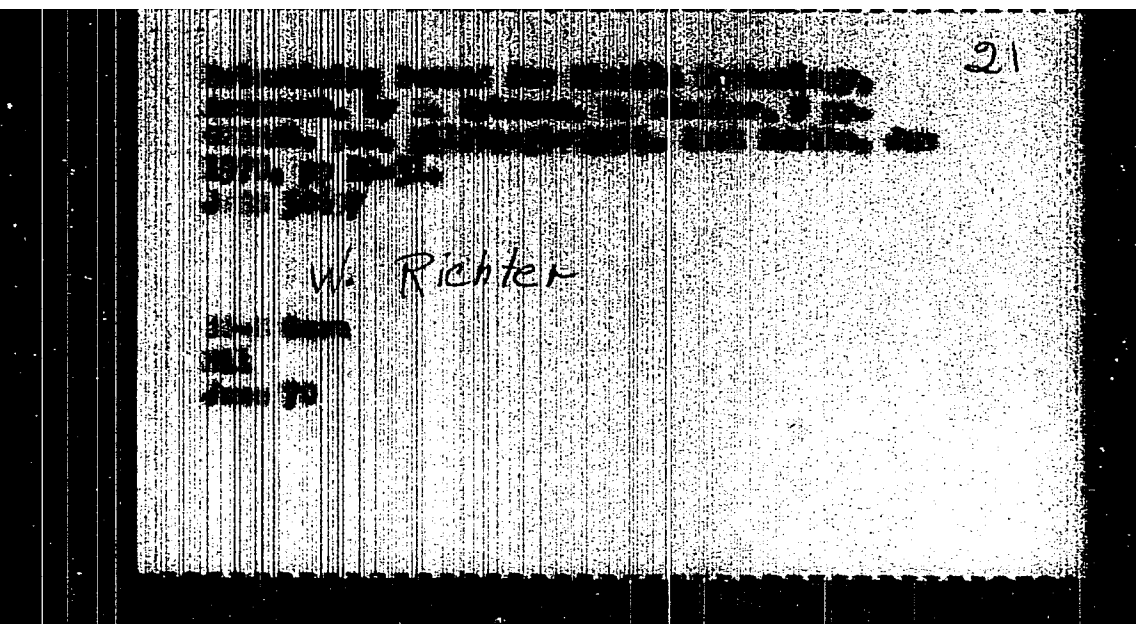
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